

Exo III Generated Structures

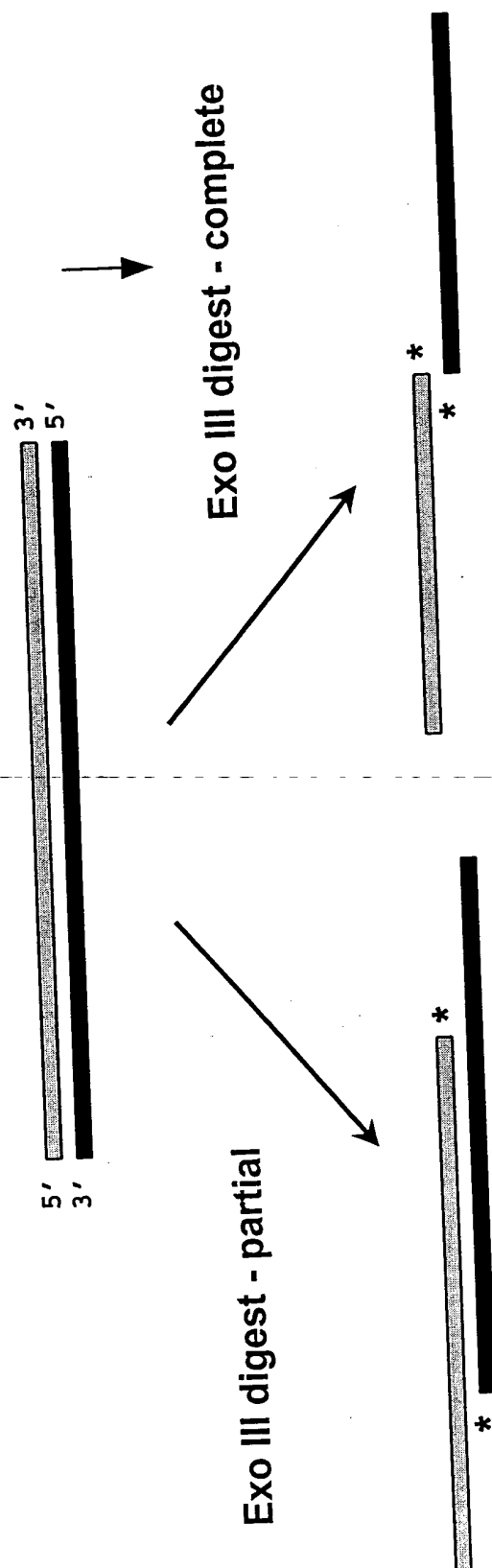


Figure 1

Figure 2. Exo III-mediated nucleic acid reassembly

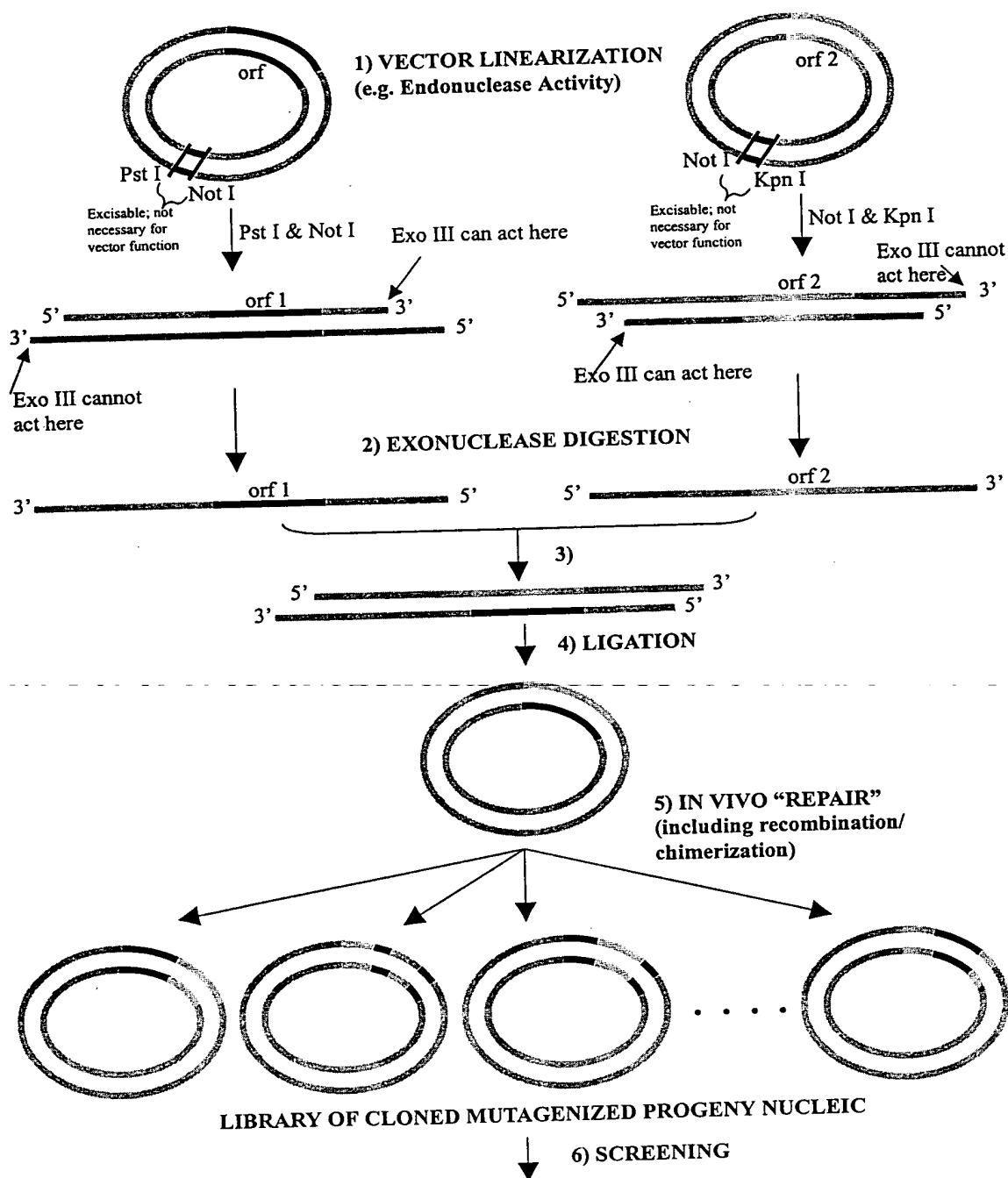


Figure 3. Generation of multiple copies of a poly-binding nucleic acid strand.

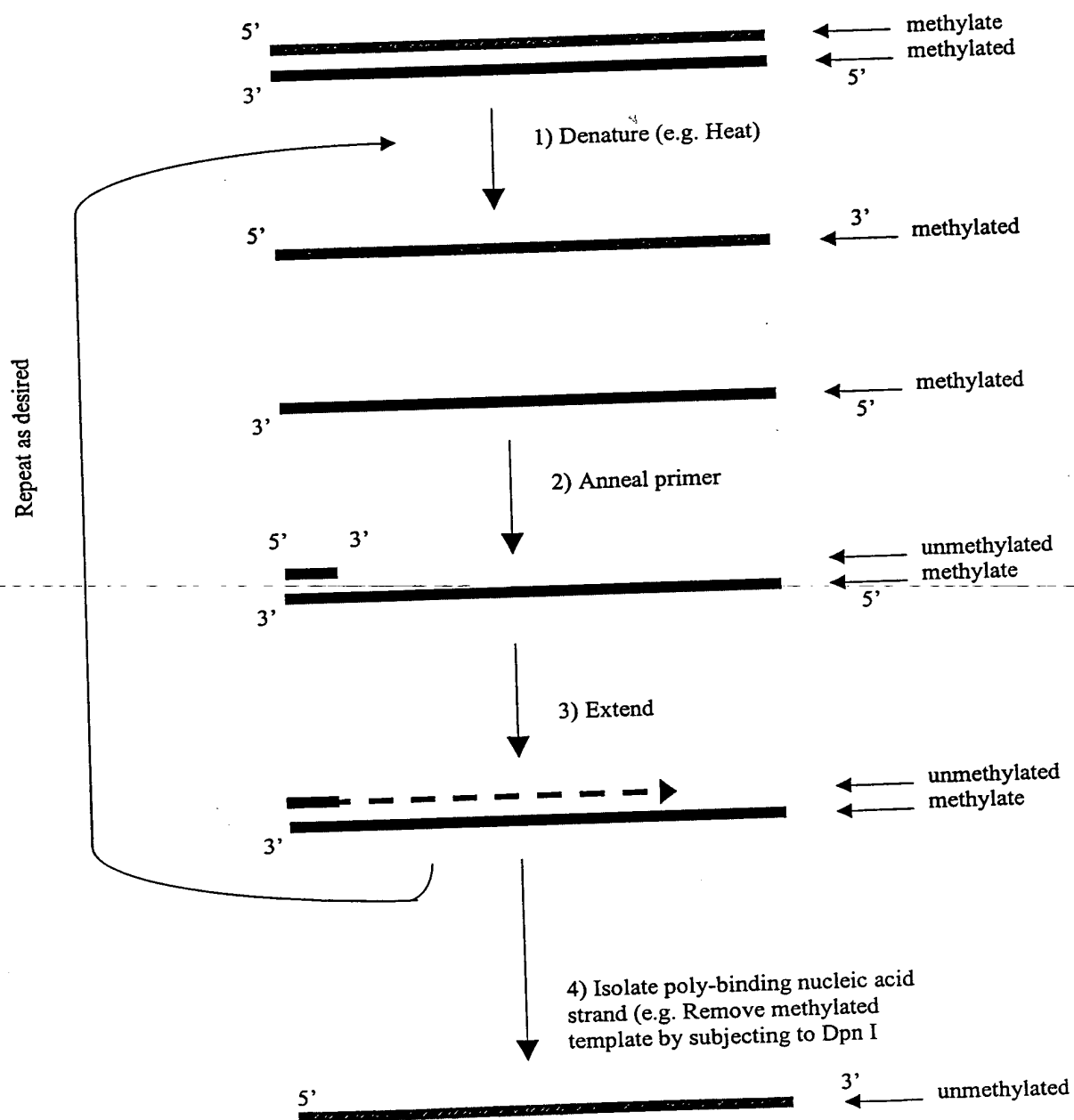


Figure 4. Subjection to exonuclease treatment (e.g. S1 Nuclease, Mung Bean Nuclease, or E.coli DNA polymerase) to liberate terminal nucleotides from overhangs. The illustrated overhangs are unhybridized single stranded ends (shown in red) of annealed nucleic acid strands in a heteromeric nucleic acid complex.

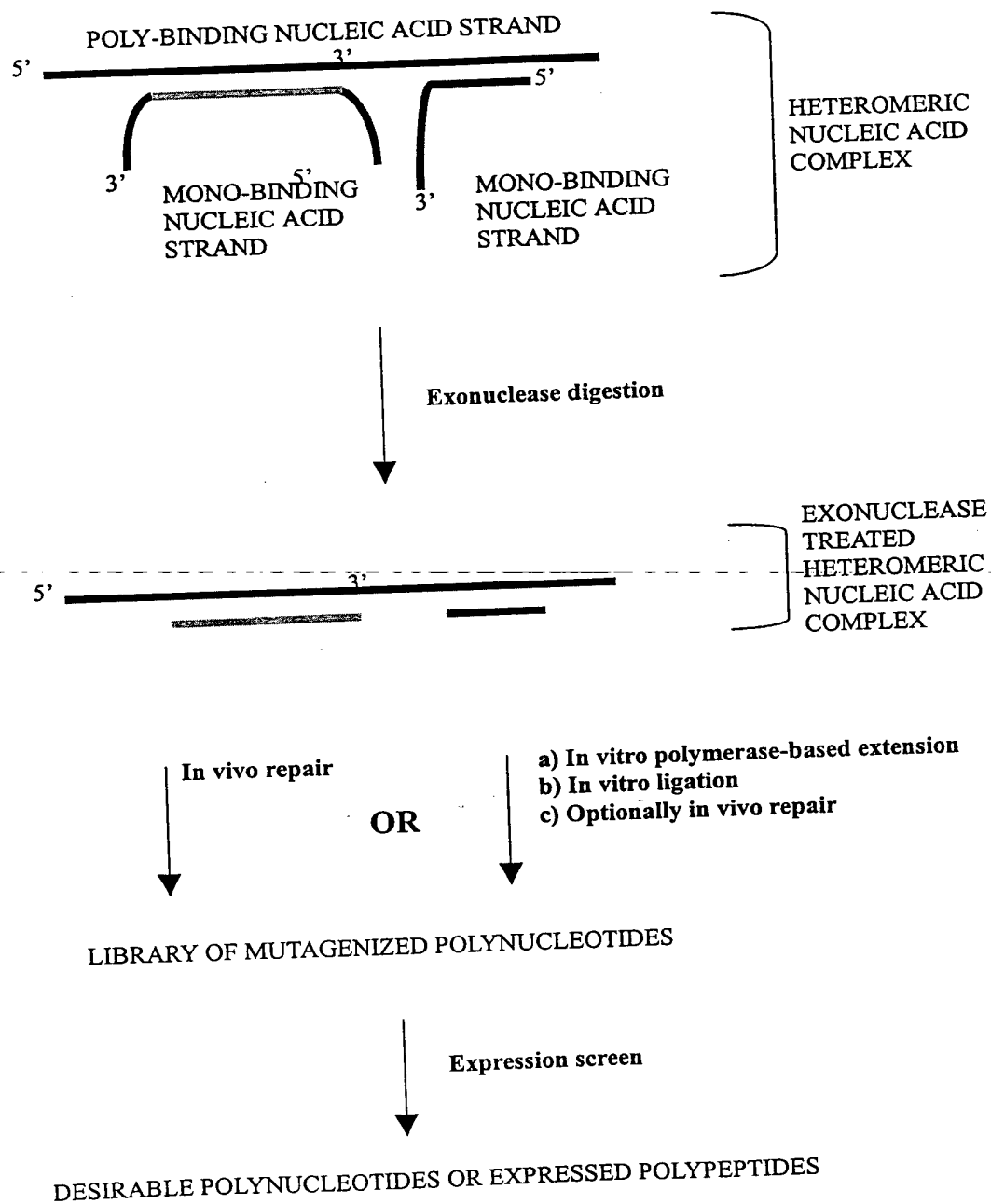


Figure 5. Exonuclease-mediated reassembly process for the generation of mutagenized (e.g. chimerized) progeny polynucleotide

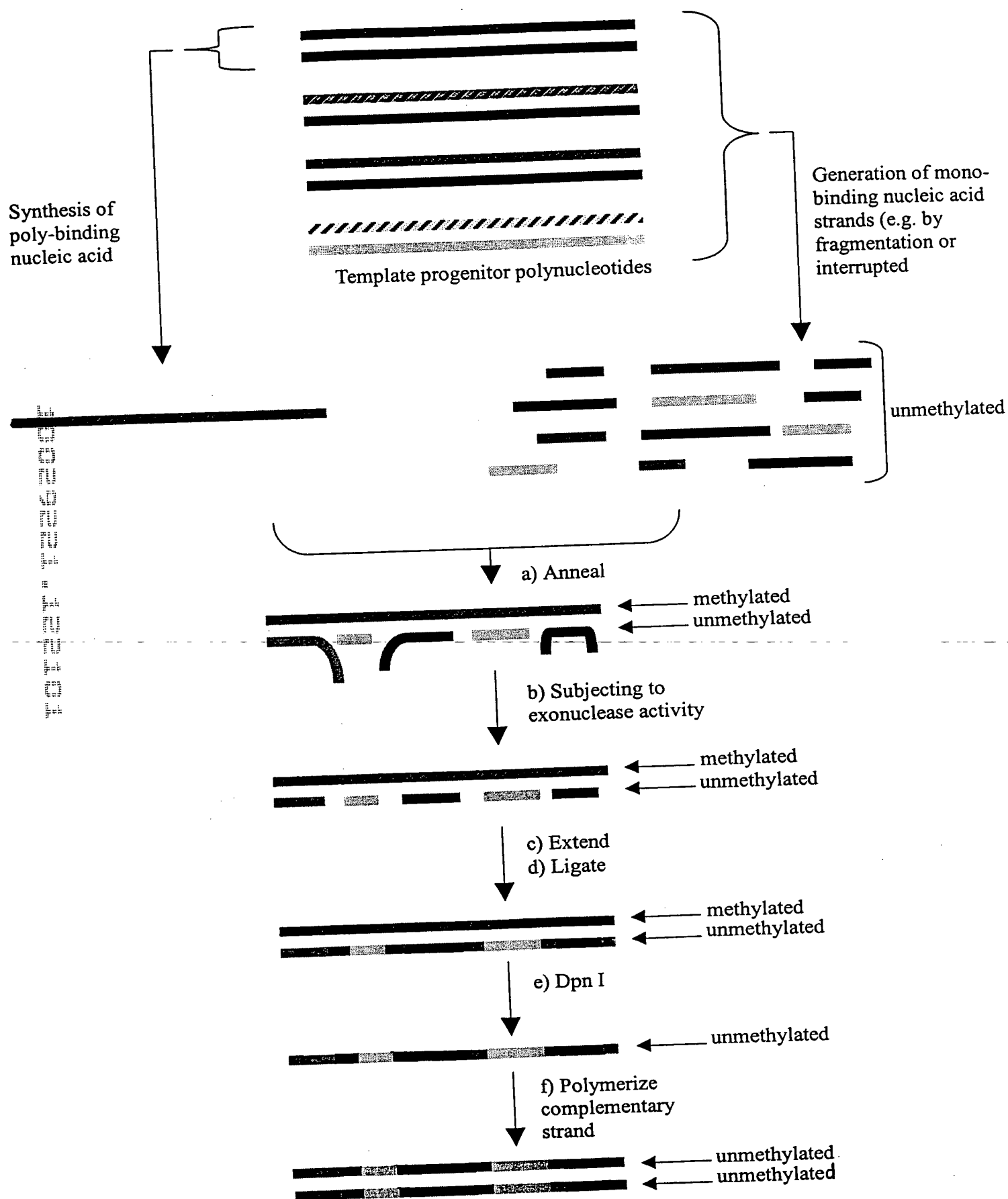


Figure 6. Exonuclease-mediated reassembly process for the generation of mutagenized (e.g. chimerized) progeny polynucleotides

